

# Material Safety Data Sheet

HALON 1211

QUICK IDENTIFIER

Common Name: (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard,  
29CFR 1910. 1200. Standard must be consulted for specific requirements.

## SECTION 1 -

Manufacturer's

Name AMEREX CORPORATION

Address

P. O. Box 81

Emergency

Telephone No. 205/655-3271

City, State, and ZIP

TRUSSVILLE, AL 35173-0081

Other

Information

Calls

205/655-3271

Signature of Person

Responsible for Preparation (Optional) D. H. Ellison

Date

Prepared

November, 1985

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical &amp; common name(s))

OSHA  
PELACGIH  
TLVOther Exposure  
Limits%  
(optional)CAS  
NO.

Bromochlorodifluoromethane

Unknown

Not  
Listed1000 ppm on  
8 HR TWA

100

353-59-3

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling  
Point

26°F

Specific  
Gravity (H<sub>2</sub>O=1)

1.83(liquid)

Vapor

Pressure (mm Hg) at 68°F 1770

Vapor

Density (Air = 1) 5.8 at 68°F

Solubility  
in Water

Insoluble

Reactivity in  
Water

N.A.

Appearance  
and OdorColorless gas and liquid with very faint,  
sweet odor.Melting  
Point

N.A.

## SECTION 4 - FIRE & EXPLOSION DATA

Flash

Point N.A. F. C.

Method

Used N.A.

Flammable Limits

in Air % by Volume

LEL

Lower

N.A.

UEL

Upper

N.A.

Auto-ignition  
Temperature

N.A.

Extinguisher  
Media

N.A.

Special Fire

Fighting Procedures

At flame temperatures, Halon 1211 may release hydrogen halides and halogens in trace  
amounts.

Unusual Fire and  
Explosion Hazards

When BCF is discharged into a fire, it decomposes above 900°F, releasing bromide ions,  
Halogen acids and small amounts of carbonyl halides are also formed. These by-products, although  
harmful if inhaled, are easily detected. Only a few PPM create an unpleasant, acrid odor which serves  
as a warning to the user. After the extinguisher is discharged the area should be vacated until  
ventilation clears the atmosphere.

## SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability	Unstable Stable	Conditions to Avoid	Stable under normal conditions.
Incompatibility (Materials to Avoid)	Active metals such as powdered alumina and magnesium and fires of metal hydrides.		
Hazardous Decomposition Products	Halon begins decomposing at temperatures above 900°F to give free halogens, halogen acids, and small amounts of carbonyl halides.		
Hazardous Polymerization	May Occur Will Not Occur	Conditions to Avoid	None

## SECTION 6 - HEALTH HAZARDS

1. Acute	Unknown	2. Chronic	Prolonged exposure can cause dizziness, headache, nausea, impaired coordination, progressing to unconsciousness.			
Signs and Symptoms of Exposure	As above.					
Medical Conditions Generally Aggravated by Exposure	In susceptible individuals, cardiac sensitization to circulating epinephrine compounds can result in sudden, fatal heart arrhythmias.					
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Emergency and First Aid Procedures	See below.					

### ROUTES OF ENTRY

1. Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
2. Eyes The liquid form of this material can produce chilling sensation and discomfort. Flush with copious amounts of water for at least 15 minutes.
3. Skin Evaporation of liquid from the skin can produce chilling sensations. Skin injury does not result. Wash skin with soap and water.
4. Ingestion Do not induce vomiting.  
Give 1 or 2 glasses of warm water to drink and get medical attention.

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage	Store in cool area with good ventilation. Enforce "NO SMOKING" rules in area of use.
Other Precautions	None
Steps to be Taken in Case Material is Released or Spilled	Ventilate spill area and recover any liquid.
Waste Disposal Methods (Consult federal, state, and local regulations)	Not applicable.

## SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type)	Not normally needed. If needed, use MSHA/NIOSH approved respirator for organic vapors.								
Ventilation	Yes	Local Exhaust	Yes	Mechanical (General)	Yes	Special	No	Other	No
Protective Gloves	Impervious for liquid exposure.				Eye Protection	Safety glasses			
Other Protective Clothing or Equipment	Eye wash station and safety shower in work area when working with liquified product.								
Work/Hygienic Practices	N.A.								